Data Sheet | Material Safety Data Sheet

1. Product identification

Product name:	Antistatic Polyester needle felt fabric with one-sided ePTFE membrane
Material numbers:	PNV 7506 AS FG
Recommended use:	Air-permeable fabric for industrial applications, such as flexible connections
Supplier:	Filcoflex B.V. Luxemburgstraat 3 5171PK Kaatsheuvel The Netherlands

2. Hazards identification

2.1 Classification
The product is an article and is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements
Not applicable. No hazard (H) or precautionary (P) statements apply.

2.3 Other hazards
None under normal conditions of use. When heated above approx. 400 °C, the ePTFE membrane can release hazardous decomposition products (see chapter 10).

3. Composition/ information on ingredients

3.1 Chemical composition

Base fabric	Polyester (PE) needle felt
Antistatic matrix	Stainless Steel
Membrane	Expanded PTFE (ePTFE), laminated on one side

3.2 Hazardous ingredients
The product does not contain substances classified as hazardous in concentrations that require declaration.

4. First aid measures

4.1. General information
No specific risk determined when used under normal conditions.

4.2. After inhalation
Not applicable under normal conditions of use. After inhalation of fumes from overheated or burning product, move to fresh air and seek medical advice. Flu-like symptoms (polymer fume fever) can occur several hours after exposure.

4.3 After skin contact
Not applicable under normal conditions of use. Molten product may cause burns. In this case, cool the affected area with cold water. Do not remove clothing or solidified material from the skin, but seek medical attention directly.

4.4 After eye contact
In case of contact with fibres or particles, rinse with plenty of water. Seek medical advice if irritation persists.

4.5 After swallowing
Not applicable

5. Fire-fighting measures

5.1. Advice for fire-fighters
Use any type of fire extinguisher: water, foam, dry powder, carbon dioxide or sand.

5.2. Specific hazards resulting from product combustion
Combustion of the polyester fabric releases carbon monoxide, carbon dioxide and aldehydes. Above approx. 400 °C, the PTFE membrane decomposes and can release toxic and corrosive fluorine compounds, such as hydrogen fluoride (HF) and carbonyl fluoride.

5.3. Advice for fire-fighters
In case of fire, wear a self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

6.1. Personal related safety precautions
No extra precautions needed.

6.2. Environment related measures
No extra precautions needed.

6.3. Methods and material for containment and cleaning up
Clean up the area by picking or sweeping up the pieces or use a vacuum cleaner.

7. Handling and storage

7.1. Precautions for safe handling
The received packages may be heavy. Therefore, use suitable lifting equipment, operated by a suitably trained employee.
Do not smoke in areas where the product is cut or processed. PTFE particles on tobacco products can cause polymer fume fever when smoked.
Use local exhaust ventilation when the product is cut or welded with heat.

7.2. Protection against fires
Store the product away from possible sources of ignition.

7.3. Requirements for storage
Store the product in a dry and clean environment.

8. Exposure controls / Personal protection

The product does not contain substances with occupational exposure limit values.

Ventilation	Local exhaust ventilation when the product is cut or welded with heat.
Hygiene measures	Follow good industrial hygiene practice. Wash your hands before eating, drinking or smoking.
Breathing equipment	Under normal conditions of use not required
Hand protection	Normally, not required.
Eye protection	Normally, not required.
Body protection	Normally, not required.

9. Physical and chemical properties

9.1 General information

Form	Solid, fibrous (fabric on roll)
Color	White with light grey matrix
Odor	Negligible
Melting point	Polyester: approx. 255 °C PTFE: approx. 327 °C
Decomposition temperature	PTFE: above approx. 400 °C
Flash point	Not applicable
Auto-ignition temperature	Not determined
Solubility in water	Insoluble
Solubility in other solvents	Polyester: soluble in hot phenols, cresols and concentrated sulphuric acid. PTFE: insoluble in common solvents.

9.2 Other information

Continuous operating temperature	Up to 150 °C (dry conditions)
Maximum surge temperature	170 °C, max. 6 hours (dry conditions)
Surface resistance	≤ 2.0 × 10^3 Ω (DIN 54345)
Electrical properties	Electrically conductive due to the stainless steel matrix; the fabric can be grounded.

10. Stability and reactivity

10.1. Reactivity

Not reactive under normal conditions of use.

10.2. Chemical stability

Not reactive under normal conditions of use.

10.3 Conditions to avoid

Temperatures above the maximum operating temperature, open flames and sources of ignition.

10.4 Hazardous decomposition products
Polyester: carbon monoxide, carbon dioxide and aldehydes. PTFE (above approx. 400 °C): hydrogen fluoride, carbonyl fluoride and other fluorinated compounds.

11. Toxicological information

11.1 Acute toxicity
No toxicological effects are expected under normal conditions of use.

11.2 Other information
Inhalation of decomposition fumes from overheated PTFE can cause polymer fume fever: temporary, flu-like symptoms.

12. Ecological information

12.1. Persistence and degradability
The product is durable, with a low biodegradability

12.2. Ecotoxicity
No ecotoxic effects are expected. The product is insoluble in water.

13. Disposal considerations

Recycle or dispose of the product in accordance with your local regulations. Incinerate only in a licensed installation with flue gas cleaning.

14. Transport information

Land (ADR/RID)	Not classified as dangerous goods
Sea (IMDG)	Not classified as dangerous goods
Air (ICAO/IATA)	Not classified as dangerous goods
Special precautions	Keep dry

15. Regulatory information

The product is an article according to REACH Regulation (EC) No 1907/2006. A safety data sheet according to article 31 of REACH is not required; this document is provided voluntarily.
The product is not classified according to Regulation (EC) No 1272/2008 (CLP).
For food contact compliance, see the separate declarations of compliance for this product.

16. Other information

16.1 Product application
Air-permeable fabric for industrial applications, such as flexible connectors.

16.2 Revision
This document replaces all previous versions.

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Function: Managing Director
Date: 26/11/2026



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